

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/14/2016 12:20 PM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124083	-1	1.27	123965	1.21
Blue	F	SSC	125000	123347	-2	3.06	124320	2.80
Blue	E	FITC	17224	16745	-3	2.39	947	8.50
Blue	D	PE	22462	21853	-3	2.03	987	7.57
Blue	B	PerCP-Cy5-5	63940	62721	-2	2.77	1657	12.36
Blue	A	PE-Cy7	72480	71266	-2	3.74	934	23.99
Red	C	APC	63778	63215	-1	2.45	3569	7.80
Red	A	APC-Cy7	97254	96130	-2	2.49	1916	7.58
Violet	B	V450	10730	10480	-3	3.43	648	7.92
Violet	A	V500	42147	40519	-4	3.02	2286	5.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19904	1.72	583	-37	N/A	N/A	Pass
Blue	F	SSC	61709	1.88	508	-19	N/A	N/A	Pass
Blue	E	FITC	103	33.36	514	-25	0.0276	86	Pass
Blue	D	PE	204	23.46	508	-24	0.2000	154	Pass
Blue	B	PerCP-Cy5-5	205	38.23	592	-22	0.0128	59	Pass
Blue	A	PE-Cy7	71	94.35	648	-25	0.0160	10	Pass
Red	C	APC	335	25.47	574	-10	0.0230	28	Pass
Red	A	APC-Cy7	122	36.37	556	-9	0.0052	788	Pass
Violet	B	V450	69	40.59	446	-28	0.0483	1735	Pass
Violet	A	V500	149	21.30	474	-29	0.0162	302	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.59	47.70 - 71.54	N/A	N/A	-30.96	-30.69	0.82
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.29
Red	15.16	13.09 - 19.63	N/A	N/A	31.22	31.50	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14156

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments